

MR1957 533
APPL. NO. 09/838,223
Response in Office Action of 5 May 2005 & Notice
of Non Compliant Amendment dated 6 May 2005

AMENDMENTS TO THE CLAIMS

This Listing of Claims will replace all prior versions, and listings, of claims in the Application:

Listing of Claims:

1 - 25 (Cancelled).

26. (New) An auxiliary device for editing documents, comprising:

A Windows[®] operating PC system peripheral input device having an internal circuit with a single-chip microprocessor; and

a direct access modular key set with a document editing function; the direct access modular key set being arranged on the standard Windows[®] operating PC system peripheral input device and connected to an I/O bus of the single-chip microprocessor; the single-chip microprocessor generating a predetermined pseudo composite-key code responsive to an individual key in the direct access modular key set being pressed by a user; the pseudo composite-key code being formed by the group of codes representing simultaneous key switch operation, codes representing sequential key switch operation, and combinations thereof to execute the Windows[®] operating system/ Office application specific actions, whereby the user can directly edit a document on Windows[®] operating system/ Office[®] application by using the direct access modular key

MR1957-533
APPL. NO. 09/838,223
Response to Office Action of 5 May 2005 & Notice
of Non-Compliant Amendment dated 6 May 2005

set provided on the computer peripheral input device without chording or memorize the combination keys, wherein pressing the direct access modular key with a single touch of direct access modular key can launch target Windows® operating system/ Office® application pre-define functions directly, the direct access modular key not require additional hardware (such as external ROM, separate cable), processing, complex driver support expect the code-conversion application software; the pseudo composite code is generated by a code-conversion application software or send through standard Windows® operating PC system peripheral input devices ports by one cable, such as USB port or PS2 port to Windows® operating system/ Office® application.

27. (New) The auxiliary device for editing documents as in claim 26, wherein the direct access modular key set include short-cut key is further provided on the Windows® operating PC system peripheral input device to launch application while working on Windows® operating system. The properties/short-cut section of a target program require to pre-setting while Windows® operating system is being actuated. The pre-setting method goes through manual or code-conversion application software.

28. (New) The auxiliary device for editing documents as in claim 27, wherein the predetermined pseudo composite-key code of the direct access modular key set for short-

MR1957-533
APPL. NO. 09/838,223
Response to Office Action of 5 May 2005 & Notice
of Non-Compliant Amendment dated 6 May 2005

out key is CTRL+ALT+ a predetermined non-moving location key and generated by a code-conversion application software or send through USB port or PS2 port to Windows® operating system.

29. (New) The auxiliary device for editing documents as in claim 26, wherein the Windows® operating PC system peripheral input device is provided with a plurality of function keys and an extra adding switch key, said extra adding switch key being connected to the I/O bus of the single-chip microprocessor and controlling function of the function keys to operate in one of a standard function key mode or an augmentation mode, a status of the extra adding switch key being manifested by a light-emitting indicator, said augmentation mode defining editing function is selected from a group consisting of redo, undo, open, new, bold, save, find, forward and send, said augmentation mode launching the direct access modular key set function that pre-define by Windows® operating system/ Office® Application.

30. (New) The auxiliary device for editing documents as in claim 26, wherein the code-conversion application software transfer specific code to pseudo composite-key code and load after Windows® operating system being actuated.

MR1957-533
APPL. NO. 09/838,223
Response to Office Action of 5 May 2005 & Notice
of Non-Compliant Amendment dated 6 May 2005

31. (New) The auxiliary device for editing documents as in claim 29, wherein the pseudo composite-key code for the Redo key is ALT+E, R, CTRL+Y; The Undo key is ALT+E, U, CTRL+Z; Bold key is CTRL+B; Open key is CTRL+O or ALT+F, O; New key is CTRL+N or ALT+F, N; Save key is CTRL+S or ALT+F, S; Find key is CTRL+F or ALT+B, F; Forward key is ALT+F, D or CTRL+F; Send key is ALT+S; and generated by a code-conversion application software or send through USB port or PS2 port to Windows® operating system/ Office® Application.

32. (New) The auxiliary device for editing documents as in claim 26, wherein the direct access modular key set is selected from a group consisting of a cut key and a paste key and a copy key and mark key for launch Windows® operating system/ Office® application pre-define function directly.

33. (New) The auxiliary device for editing documents as in claim 32, wherein the predetermined pseudo composite-key code of the direct access modular key set corresponding to the Cut key is CTRL+X; Paste key is CTRL+V, or ALT+E, P; Copy key is CTRL+C and generated by a code-conversion application software or send through USB port or PS2 port to Windows® operating system/ Office® Application.

MR1917-533

APPL. NO. 09/838,223

Response to Office Action of 5 May 2005 & Notice
of Non-Compliant Amendment dated 6 May 2005

34. (New) The auxiliary device for editing documents as in claim 32, wherein the predetermined pseudo composite-key code of the direct access modular key set corresponding to the mark key is one of left Shift holding or right Shift holding function. Release the holding shift key through pressed other keys except arrow keys, the Mark key interact with arrow keys for Mark files/ segment of document to be copy or cut and not require moving hand between two different devices.

35. (New) The auxiliary device for editing documents as in claim 26, wherein the predetermined pseudo composite-key code of the direct access modular key set comprises a combination of operations including pressing, releasing and pressing again keys including Shift, CTRL, ALT and standard keys. The combination of operations can be combining to one of direct access modular key and launch Windows® operating system/application target function directly. The pseudo composite-key code generated by a code-conversion application software or send through standard Windows® operating PC system peripheral input device ports by one cable, such as USB port or PS2 port to Windows® operating system/ Office® Application.